

MAR 01 1993

AWC Volume (SE) SC SW W AR IN

USGS Quad

Petersburg C6

REGION II  
ABITAT AND RESTORATION  
DIVISION

Anadromous Water Catalog Number of Waterway 105-31-10116

Name of Waterway None USGS name \_\_\_\_\_ Local name \_\_\_\_\_

Addition X Deletion \_\_\_\_\_ Correction X Backup Information \_\_\_\_\_

For Office Use

Nomination # <u>94 005</u>	<u>[Signature]</u>	<u>10/22/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>[Signature]</u>	<u>12/21/93</u>
Both <u>X</u>	<u>[Signature]</u>	<u>1/12/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls.

Comments:

The stream present shown as 105-31-10115 is reported to only have trout fry present. Another unnumbered stream to the south does have coho fry present. See attached survey information. The ADF&G number may have been incorrectly assigned to the current stream. **THIS CAN'T BE CONFIRMED, NO INFO ON 10115. ADD VARDEN CEX. AND CARIELLO WILL LOOK AT 10115 IN SUMMER OF '94. ENH.**

Name of Observer (please print) James P. Carriello

Date: 2/25/93 Signature: [Signature] 772-3841

Address: Box 667 A.D.F.&G.  
Petersburg, AK 99833

Signature of Area Biologist:

[Signature]

Rev. 12/91

10114

Saltwater

This stream presently identified  
as 10115 only has trout.

This is referred to  
as Varden Creek by  
Voight and has  
Coho fry in it.







*From U.S. Stream Survey Report 1977,  
by Mark Voight Fisheries Biologist*

23

EAST KUIU ISLAND  
NO NAME BAY

STREAM NAME: Varden Creek (NN4)

LOCATION: 56°30'14"N, 133°58'59"E  
Head of No Name Bay, opposite Goose Creek

AERIAL PHOTOS: EID-22-171/172

FISH: Coho, trout, char

GENERAL CHARACTERISTICS:

Stream Width: 4' - 8'  
Channel Width: 8' - 10'  
Stream Depth: 2" - 18"  
Flow: 3 - 5 CFS  
A temperature sensitive system

HABITAT SUMMARY:

Intertidal substrates provide little spawning area in this moderate-sized stream. This is true also in the lower 1/8 mile of stream, but this bottom section appears fair rearing habitat, with undercut banks, plenty of pools, and boulders for cover. This moderate gradient section of stream is contained in a floodplain of unknown width. This is a temperature-sensitive system (57°) which requires preservation of a canopy shading.

At 1/8 mile, an old beaver dam has washed out; the channel above this point meanders through a low-banked meadow. The bottom is dark, sedimented gravel and the stream is deep and slow-moving.

At 1/4 mile from the beach is Varden Lake, formerly impounded by beavers. The lake is deep in the center and shallow along the edges, full of 12" to 16" sea-run dolly varden and fry. The inlet to the lake has an 8' to 10' wide channel with a long stretch of clean gravel substrate, providing excellent spawning facilities, below a second small washed-out beaver impoundment. Abundant coho, trout, and dolly fry rear in this area.

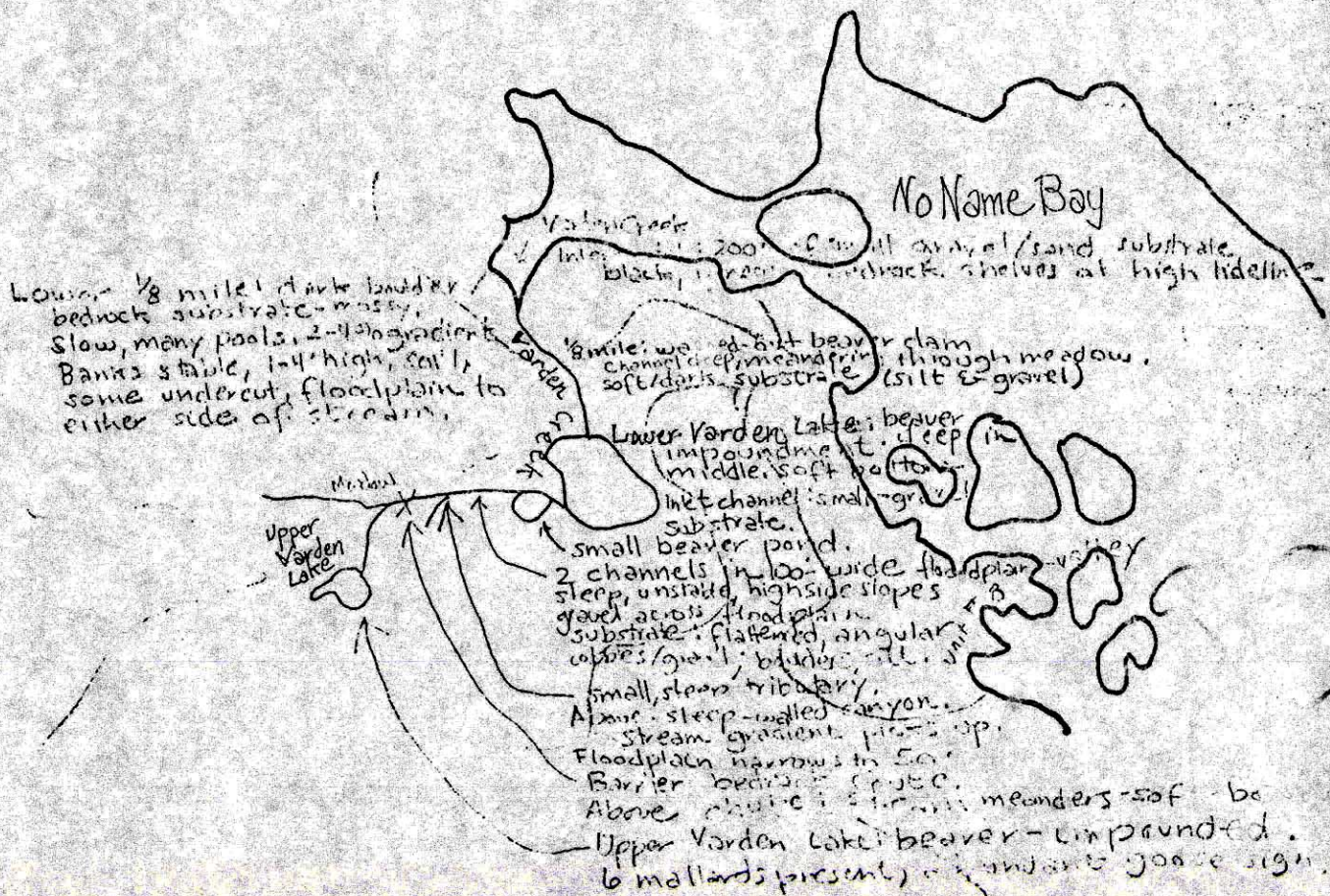
Above this small upper pool area, the stream enters a 100-foot-wide floodplain-valley, with 60 to 90 percent unstable sideslopes. The floodplain consists of two 4' to 8' wide channels here and is covered with gravel in places, indicating flashy flow. It is important to maintain vegetation on these sideslopes to protect spawning and rearing areas below from sedimentation.

The confluence of a small, steep tributary from the south, 1/8 mile above Varden Lake, marks a gradient increase on the mainstem as it enters a



50-foot-wide steep-walled V-notch. Substrate consists of larger, more angular cobbles and boulders. Spawning area here and above is nonexistent, as a 30' bedrock chute is a total block to upstream migration. Above the chute, however, the stream meanders through meadows and into another beaver pond in a soft-bottomed channel. Some pools in this stretch are more than two feet deep, and cover is provided for rearing trout and dolly varden by undercut, low banks. This section is also temperature-sensitive ( $56^{\circ}$ ), and should be protected.





Kuiv Island  
 No Name Bay  
 Varden Creek  
 7/22/77  
 McDev/Voight